

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Previously presented) A system for supporting wireless communication, comprising:
 - a first fixed-site wireless communication apparatus;
 - a second fixed-site wireless communication apparatus; and
 - a wired communication channel connected between said first fixed-site wireless communication apparatus and said second fixed-site wireless communication apparatus, said first fixed-site wireless communication apparatus for receiving from a wireless mobile communication apparatus information, including identification of frequency channels available for receiving and transmitting information, for use in determining whether a desired wireless communication session involving the wireless mobile communication apparatus will be established, said first fixed-site wireless communication apparatus further for communicating said information to said second fixed-site wireless communication apparatus via said wired communication channel.
2. (Original) The system of Claim 1, wherein said information is indicative of a location of the wireless mobile communication apparatus.

3. (Original) The system of Claim 1, wherein said information is indicative of wireless communication channel conditions at the wireless mobile communication apparatus.

4. (Original) The system of Claim 1, wherein said information is indicative of wireless communication resource use in a previous wireless communication session involving the wireless mobile communication apparatus.

5. (Original) The system of Claim 1, wherein said information is indicative of operational capabilities of the wireless mobile communication apparatus.

6. (Original) The system of Claim 1, wherein said wired communication channel utilizes internet protocol (IP) to communicate said information from said first fixed-site wireless communication apparatus to said second fixed-site wireless communication apparatus.

7. (Original) The system of Claim 1, wherein said first fixed-site wireless communication apparatus includes a cellular base station.

8. (Original) The system of Claim 7, wherein said second fixed-site wireless communication apparatus includes a cellular base station.

9. (Original) The system of Claim 1, wherein said second fixed-site wireless communication apparatus includes a cellular base station.

10. (Original) The system of Claim 1, wherein said wired communication channel traverses a cellular network infrastructure.

11. (Original) The system of Claim 1, wherein said first fixed-site wireless communication apparatus is further for communicating via said wired communication channel to said second fixed-site wireless communication apparatus a request to reserve a predetermined wireless communication resource for use by the wireless mobile communication apparatus.

12. (Original) The system of Claim 11, wherein the wireless mobile communication apparatus is involved in a moving wireless communication session that is utilizing said predetermined wireless communication resource.

13. (Original) The system of Claim 12, wherein said first fixed-site wireless communication apparatus is further for receiving from the wireless mobile communication apparatus information indicative of said predetermined wireless communication resource.

14. (Original) The system of Claim 1, wherein said second fixed-site wireless communication apparatus is for receiving from a further wireless mobile communication apparatus further information for use in determining whether a further desired wireless communication session involving the further wireless mobile communication apparatus will be established, said second fixed-site wireless communication apparatus further for communicating said further information to said first fixed-site wireless communication apparatus via said wired communication channel.

15. (Original) The system of Claim 1, wherein said first fixed-site wireless communication apparatus is for receiving said information from a plurality of wireless mobile communication apparatus and for communicating said information for each wireless mobile communication apparatus to said second fixed-site wireless communication apparatus via said wired communication channel.

16. (Previously presented) A method of supporting wireless communication, comprising:

a first fixed-site wireless communication apparatus receiving from a wireless mobile communication apparatus information, including identification of frequency channels available for receiving and transmitting information, for use in determining whether a desired wireless communication session involving the wireless mobile communication apparatus will be established; and

using a wired communication channel to communicate the information from the first fixed-site wireless communication apparatus to a second fixed-site wireless communication apparatus.

17. (Original) The method of Claim 16, wherein said information is indicative of a location of the wireless mobile communication apparatus.

18. (Original) The method of Claim 16, wherein said information is indicative of wireless communication channel conditions at the wireless mobile communication apparatus.

19. (Original) The method of Claim 16, wherein said information is indicative of wireless communication resource use in a previous wireless communication session involving the wireless mobile communication apparatus.

20. (Original) The method of Claim 16, wherein said information is indicative of operational capabilities of the wireless mobile communication apparatus.

21. (Previously presented) The system of Claim 1, wherein said frequency channels are those used by cellular operators.

22. (Previously presented) The system of Claim 1, wherein said frequency channels are other than those used by cellular operators.

23. (Previously presented) The system of Claim 1, wherein said frequency channels are those used by cellular operators and other than those used by cellular operators.

24. (Previously presented) The method of Claim 16, wherein said frequency channels are those used by cellular operators.

25. (Previously presented) The method of Claim 16, wherein said frequency channels are other than those used by cellular operators.

26. (Previously presented) The method of Claim 16, wherein said frequency channels are those used by cellular operators and other than those used by cellular operators.

27. (Previously presented) A method of supporting wireless communication, comprising:

a first fixed-site wireless communication apparatus receiving from a first wireless mobile communication apparatus information, including identification of frequency channels available for a second wireless mobile communication apparatus to receive information from and transmitting information to the first wireless mobile communication apparatus and, receiving from the second wireless mobile communication apparatus information, including identification of frequency channels available for the first wireless mobile communication apparatus to receive information from and transmitting information to the second wireless mobile communication apparatus, the information from the first and second apparatus being used in determining whether a desired wireless communication session involving the wireless mobile communication apparatus will be established; and

using a wired communication channel to communicate the information from the first fixed-site wireless communication apparatus to a second fixed-site wireless communication apparatus.

28. (Previously presented) A method of supporting wireless communication, comprising:

a first fixed-site wireless communication apparatus receiving from a first wireless mobile communication apparatus information, including identification of frequency channels available for a second wireless mobile communication apparatus to receive information from and transmitting information to the first wireless mobile communication apparatus;

a second fixed-site wireless communication apparatus receiving from the second wireless mobile communication apparatus information, including identification of frequency channels available for the first wireless mobile communication apparatus to receive information from and transmitting information to the second wireless mobile communication apparatus; and

a wired communication channel to communicate the information from the first fixed-site wireless communication apparatus to the second fixed-site wireless communication apparatus, the information from the first and second wireless mobile communication apparatus being used in determining whether a desired wireless communication session involving at least one of the first and second fixed-site wireless communication apparatus will be established.